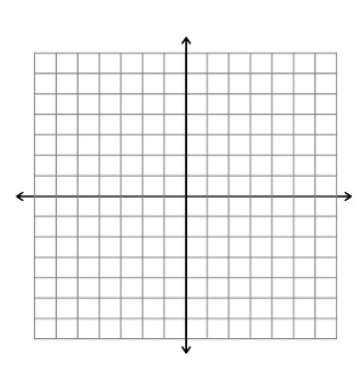
EXTRA REVIEW

Quiz 2.2

**Directions:** Show all work in order to receive full credit.

1. Write the quadratic equation that has as its roots and
2. Solve algebraically for all real and imaginary values of *x* in simplest form.
3. Find the sum and product of the roots of the equation
4. Find all values of k such that the equation has imaginary roots.
5. Using your calculator, sketch the graph of on the grid below. State the solution set of the equation.